



CERTIFICATE

Product certificate K22339/08



Issued 2021-05-01

Replaces K22339/07

Page 1 of 3

Integrated Water Meter Connecting Units

STATEMENT BY KIWA

With this product certificate, issued in accordance with the Kiwa Regulations for Certification, Kiwa declares that legitimate confidence exists that the products supplied by

Beulco GmbH & Co. KG

as specified in this product certificate and marked with the Kiwa®-mark in the manner as indicated in this product certificate may, on delivery, be relied upon to comply with Kiwa evaluation guideline BRL-K662 "Integrated Water Meter Connecting Units" dated 01-02-2012.

Ron Scheepers
Kiwa

Publication of this certificate is allowed.

Advice: consult www.kiwa.nl in order to ensure that this certificate is still valid.

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Certification process
consists of initial and
regular assessment of:

- quality system
- product

Integrated Water Meter Connecting Units

PRODUCT SPECIFICATION

The products mentioned below belong to this product certificate

Qn 1.5

Model 317448

Connection ends G $\frac{1}{4}$ x CF 15mm

Model 320479

Connection ends G $\frac{1}{4}$ x CF 22mm- high model

Model 339235

Connection ends G $\frac{1}{4}$ x CF 22mm - high model

Model 339815

Connection ends G $\frac{1}{4}$ x CF 22mm

Model 339921

Connection ends PE 25 angled x CF 22mm – high model

Qn 2.5

Model 254989

Connection ends G $\frac{1}{4}$ - CF 22mm

Integrated Water Meter Connecting Units

Fitness for contact with drinking water


This product is approved on the basis of the requirements for hygienic aspects set in the "Regeling materialen en chemicaliën drink- en warm tapwatervoorziening" ("Materials and chemicals in the supply of drinking water and warm tap water Regulation" dated 01-07-2017; published in the Government Gazette).

These hygienic aspects are based on two main criteria. The product shall permanently comply with:

- The product recipe approved during the assessment procedure. This recipe is not to be changed without prior approval by Kiwa according to the Kiwa approval procedure for the hygienic aspects;
- Specific product requirements for the hygienic aspects.

The recipe and specific product requirements are laid down in the for confidentiality reasons undisclosed 'appendix hygienic aspects' to this certificate.

MARKING

The Kiwa®-mark products are marked with the word mark "GWA - KIWA .

Place of the mark: on the bracket of the unit.

Compulsory specifications:

- name or mark of the manufacturer;
- indication of flow direction;
- maximum nominal size, DN
- indication of direction of operating device and drain.

Method of marking:

- non-erasable;
- visible after assembly.

APPLICATION AND USE

An Integrated Watermeter Connection Unit is designed to make the connection between the service pipe and the tap water installation and to connect watermeters according to BRL-K618 with a nominal measured capacity up to Qn 2,5. The Units are intended for use in drinking water installations with a maximum pressure of 1000kPa and a water temperature up to 20 °C.

RECOMMENDATIONS FOR CUSTOMERS

Check at the time of delivery whether:

- the supplier has delivered in accordance with the agreement;
- the mark and the marking method are correct;
- the products show no visible defects as a result of transport etc.

If you should reject a product on the basis of the above, please contact:

- Beulco GmbH & Co. KG
- and, if necessary,
- Kiwa Nederland B.V.

Consult the supplier's processing guidelines for the proper storage and transport methods.

Appendix hygienic aspects to certificate K22339 for 'Integrated Watermeter Connection units'

Commencing date: June 15th, 2016

Product specification

This appendix is only related to 'Integrated Watermeter Connection units' supplied by Beulco GmbH & Co. KG.

Composition

The 'Integrated Watermeter Connection units' are approved with the following composition:

Part	Material	Supplier	Remarks
Bracket	Stainless Steel 1.4301		Not in contact with drinking water
Ball valve		Raminex	Kiwa Water Mark certified
O-ring	EPDM 70 Sunaflex T8165	Compounds	
Threaded connector	Brass CW724R (CuZn21Si3P)		This material has to meet the requirements of the Composition List. In the table below, the accepted CW724R composition is given for reference.
Spacer	Brass CW617N (CuZn40Pb2)		Not in contact with drinking water
Nut	Brass CW617N (CuZn40Pb2)		
Reducing piece	Brass CW617N (CuZn40Pb2)		
(Angular) Ball valve		Raminex	Kiwa Water Mark certified
Sliding sleeve	Brass CW617N (CuZn40Pb2)		This material has to meet the requirements of the Composition List. In the table below, the accepted CW617N composition is given for reference.
Threaded piece	Brass CW724R (CuZn21Si3P)		This material has to meet the requirements of the Composition List. In the table below, the accepted CW724R composition is given for reference.
O-ring	EPDM 90 A-KJ-90-00	Metzeler	< 5 gram
Drain valve:		Raminex	
- Housing, Spindle	Brass CW617N (CuZn40Pb2)		This material has to meet the requirements of the Composition List. In the table below, the accepted CW617N composition is given for reference.
- Outlet	POM Hostaform C9021		Not in contact with drinking water
- O-ring	NBR 70 N7145		< 5 gram
- O-ring	EPDM 70 E7108		< 5 gram

Above mentioned recipe as well as the mentioned recipes of the raw materials/additives are not to be changed without prior approval according to the Kiwa approval procedure for hygienic aspects.

Beulco GmbH & Co. KG is always responsible for an advance notification of changes in the recipe and/or in the recipe of mentioned raw materials/additives.

Composition brass CW724R (CuZn21Si3P):

Constituents	Contents (%)	Impurities	Contents (%)
Copper	75.0 - 77.0	Aluminium	≤ 0.05
Silicium	2.7 - 3.5	Manganese	≤ 0.05
Phosphorus	0.02 - 0.10	Nickel	≤ 0.2
Zinc	Remainder	Iron	≤ 0.3
		Lead	≤ 0.1
		Tin	≤ 0.3
		Each other impurity	< 0.02

Composition brass CW617N (CuZn40Pb2):

Constituents	Contents (%)	Impurities	Contents (%)
Copper	57.0 - 60.0	Aluminium	≤ 0.05
Lead	1.6 - 2.2	Iron	≤ 0.3
Zinc	Remainder	Nickel	≤ 0.1
		Silicium	≤ 0.03
		Tin	≤ 0.3
		Each other impurity	< 0.02

Criteria/requirements for the product

The criteria and requirements according to the 'Regeling materialen en chemicaliën drink- en warm tapwatervoorziening' ('Materials and chemicals in the supply of drinking water and warm tap water Regulation'; published in the Government Gazette) apply to these products.


For 'Integrated Watermeter Connection units' no migration requirements are relevant.

The present appendix replaces previous versions, if any.

Drawn up in duplicate and signed,

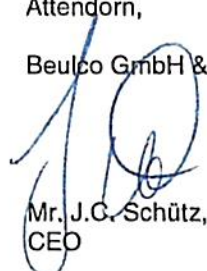
Rijswijk,

Kiwa Nederland B.V.


drs. D.F. van den Berg,
manager Product group Hygienic Aspects

Attendorn,

Beulco GmbH & Co. KG


Mr. J.G. Schütz,
CEO